

CloudTest

API Reference

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1 Before You Start

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1.1 Overview

CloudTest is a one-stop test platform that allows developers to conduct API and performance tests and manage these tests in the cloud. Developed on the basis of the DevOps Agile testing concept, CloudTest helps developers improve management efficiency and deliver high-quality products.

You can use APIs described in this document to perform operations on CloudTest, such as creating and deleting test cases. For details about all supported operations, see [2 API Overview](#).

Before calling a DevCloud API, ensure that you have fully understood the concepts related to DevCloud. For details, see [Service Overview](#).

1.2 Calling Method

DevCloud provides Representational State Transfer (REST) APIs, allowing you to use HTTPS requests to call them. For details, see [3 Calling APIs](#).

1.3 Endpoints

An endpoint is the request address for calling an API. Endpoints vary depending on services and regions. The following table lists CloudTest endpoints. Select an endpoint based on the service requirements.

Region Name	Region	Endpoint
LA-Mexico City2	la-north-2	devcloud.la-north-2.myhuaweicloud.com
LA-Sao Paulo1	sa-brazil-1	devcloud.sa-brazil-1.myhuaweicloud.com
AP-Singapore	ap-southeast-3	devcloud.ap-southeast-3.myhuaweicloud.com

1.4 Constraints

For details, see API description.

1.5 Concepts

- **Account**
An account is created upon successful registration with Huawei Cloud. The account has full access permissions for all of its cloud services and resources. It can be used to reset user passwords and grant user permissions. The account is a payment entity and should not be used directly to perform routine management. For security purposes, create IAM users and grant them permissions for routine management.
- **User**
A user is created using a domain to use cloud services. Each user has its own identity credentials (password and access keys).
An IAM user can view the account ID and user ID on the [My Credentials](#) page of the management console. The account name, username, and password will be required for API authentication.
- **Region**
Regions are divided from the dimensions of geographical location and network latency. Public services, such as Elastic Cloud Server (ECS), Elastic Volume Service (EVS), Object Storage Service (OBS), Virtual Private Cloud (VPC), Elastic IP (EIP), and Image Management Service (IMS), are shared within the same region.
Regions are classified into universal regions and dedicated regions.
 - A universal region provides universal cloud services for common tenants.
 - A dedicated region provides specific services for specific tenants.
- **Availability zone (AZ)**
An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-proof, and electricity facilities. Within an AZ, computing, network, storage, and other resources are logically divided into multiple clusters. AZs within a region are interconnected using high-speed optical fibers to support cross-AZ high-availability systems.

- **Project**
A project is created by a user in ProjectMan based on a template. It also contains preset work items, code, and resources. IAM users in a project are added to the project as team members. They are assigned with corresponding roles and granted with operation permissions.
- **Enterprise project**
An enterprise project groups and manages enterprise resources in a logically isolated manner. It can contain resources in multiple regions, and allow resources to be added or removed.
For details about how to obtain enterprise project IDs and features, see [Enterprise Management User Guide](#).

2 API Overview

Table 2-1 CloudTest APIs

Category	API
API Test Suite Management	Generating an API Test Suite by Importing Files from the Repository
Environment Parameter Management	Obtaining the Environment Parameter List of CloudTest
Test Plan Management	Adding Test Cases in Batches to a Plan, Creating a Plan in a Project, Querying the Test Plan List in a Project, Querying the Requirement Tree of a Test Plan, Querying the Operation History of a Test Plan, and Querying the Test Plan List in a Project (V2)

3 Calling APIs

3.1 Making an API Request

3.2 Authentication

3.3 Response

3.1 Making an API Request

This section describes the structure of a REST API request, and uses the IAM API for **obtaining a user token** as an example to demonstrate how to call an API. The obtained token can then be used to authenticate the calling of other APIs.

Request URI

Although a request URI is included in the request header, most programming languages or frameworks require the request URI to be transmitted separately.

A request URI consists of four parts: *{URI-scheme}:// {Endpoint} / {resource-path}? {query-string}*

The following table describes the parameters.

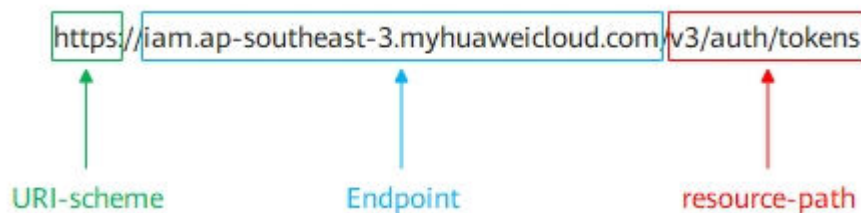
Parameter	Description
URI-scheme	Protocol used to transmit requests. All APIs use HTTPS .
Endpoint	Domain name or IP address of the server bearing the REST service. The endpoint varies between services in different regions. It can be obtained from Regions and Endpoints . For example, the endpoint of IAM in the AP-Singapore region is iam.ap-southeast-3.myhuaweicloud.com .
resource-path	The resource path, that is, the API access path, is obtained from the URI of a specific API. For example, the resource-path of the API used to obtain a user token is /v3/auth/tokens .

Parameter	Description
query-string	(Optional) Query a parameter. The query parameter is prefixed with a question mark (?), in the format of Parameter name=Parameter value . For example, limit=10 indicates that a maximum of 10 data records will be queried.

Example: To obtain the token of IAM in the **AP-Singapore** region, use the endpoint (iam.ap-southeast-3.myhuaweicloud.com), find resource-path (/v3/auth/tokens) in the URI of **Obtaining a User Token**, and combine it as follows:

`https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens`

Figure 3-1 Example URI



NOTE

To simplify the URI display in this document, each API is provided only with a resource path and a request method. The **URI-scheme** of all APIs is **HTTPS**, and the endpoints of all APIs in the same region are identical.

Request Methods

HTTP defines the following request methods that can be used to send a request to the server. The details are as follows:

Request Method	Description
GET	Requests the server to return specified resources.
PUT	Requests the server to update specified resources.
POST	Requests the server to add resources or perform special operations.
DELETE	Requests the server to delete specified resources, for example, an object.
HEAD	Same as GET except that the server must return only the response header.

For example, in the case of the API used to [obtain a user token](#), the request method is **POST**. The request is as follows:

```
POST https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
```

Request Header

You can add additional fields, for example, the fields required by a specified URI or HTTP method, to a request header. For example, to request for the authentication information, add **Content-Type**, which specifies the request body type.

Common request header fields:

Name	Description	Mandatory	Remarks
Content-Type	Request body type or format	Yes	The default value is application/json . Other values of this field will be provided for specific APIs if any.
X-Auth-Token	User token	Optional	The user token is a response to the API used to obtain a user token . This API is the only one that does not require authentication.
X-Project-ID	Subproject ID	Optional	Used in multi-project scenarios.
X-Domain-ID	Specifies an account ID.	-	-

NOTE

In addition to supporting token-based authentication, public cloud APIs also support authentication using AK/SK. During AK/SK-based authentication, an SDK is used to sign the request, and the **Authorization** (signature information) and **X-Sdk-Date** (time when the request is sent) header fields are automatically added to the request.

For more information, see [AK/SK Authentication](#).

The API used to obtain a user token does not require authentication. Therefore, only the **Content-Type** field needs to be added to request headers for calling the API. An example of such requests is as follows:

```
POST https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
Content-Type: application/json
```

Request Body

A request body is generally sent in structured format. It corresponds to **Content-Type** in the request header and transfers content except the request header.

The request body varies according to APIs. Certain APIs do not require the request body, such as GET and DELETE.

In the case of the API used to [obtain a user token](#), the request parameters and parameter description can be obtained from the API request. The following example request has a body included. Replace *username*, *domainname*, *******, and *xxxxxxxxxx* with the actual values. *username* indicates the username, *domainname* indicates the name of the account to which the user belongs, ******* indicates the login password, and *xxxxxxxxxx* indicates the project name, such as ap-southeast-3. You can obtain the value from [Regions and Endpoints](#).

NOTE

The **scope** parameter specifies where a token takes effect. In the following example, the token takes effect only for the resources in a specified project. For more information about this API, see [Obtaining a User Token](#).

```
POST https://iam.cn-north-1.myhuaweicloud.com/v3/auth/tokens
Content-Type: application/json
```

```
{
  "auth": {
    "identity": {
      "methods": [
        "password"
      ],
      "password": {
        "user": {
          "name": "username",
          "password": "*****",
          "domain": {
            "name": "domainname"
          }
        }
      }
    },
    "scope": {
      "project": {
        "name": "xxxxxxxxxx"
      }
    }
  }
}
```

If all data required for the API request is available, you can send the request to call the API through [curl](#), [Postman](#), or coding. In the response to the API used to [obtain a user token](#), **x-subject-token** is the desired user token. This token can then be used to authenticate the calling of other APIs.

3.2 Authentication

Requests for calling an API can be authenticated using either of the following methods:

- **Token authentication:** Requests are authenticated using Tokens.

- **AK/SK authentication:** Requests are encrypted using an AK/SK.

Token-based Authentication

NOTE

The validity period of a token is 24 hours. When using a token for authentication, cache it to prevent frequently calling the Identity and Access Management (IAM) API for obtaining a user token.

A token specifies temporary permissions in a computer system. During API authentication using a token, the token is added to requests to get permissions for calling the API.

When calling the API to **obtain a user token**, set **auth.scope** in the request body to **project**.

```
{
  "auth": {
    "identity": {
      "methods": [
        "password"
      ],
      "password": {
        "user": {
          "name": "username",
          "password": "*****",
          "domain": {
            "name": "domainname"
          }
        }
      }
    },
    "scope": {
      "project": {
        "name": "xxxxxxx"
      }
    }
  }
}
```

After a token is obtained, the **X-Auth-Token** header field must be added to requests to specify the token when calling other APIs. For example, if the token is **ABCDEFJ....**, **X-Auth-Token: ABCDEFJ....** can be added to a request as follows:

```
GET https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
Content-Type: application/json
X-Auth-Token: ABCDEFJ....
```

AK/SK-based Authentication

NOTE

AK/SK authentication supports API requests with a body no larger than 12 MB. For API requests with a larger body, use token authentication.

In AK/SK-based authentication, AK/SK is used to sign requests and the signature is then added to the requests for authentication.

- **AK:** access key ID. It is a unique ID associated with an SK. AK is used together with SK to sign requests.

- SK: secret access key used in conjunction with an AK to sign requests cryptographically. It identifies a request sender and prevents the request from being modified.

In AK/SK-based authentication, you can use an AK/SK to sign requests based on the signature algorithm or use the signing SDK to sign requests. For details about how to sign requests and use the signing SDK, see [AK/SK Signing and Authentication Guide](#).

NOTICE

The signing SDK is only used for signing requests and is different from the SDKs provided by services.

3.3 Response

Status Code

After sending a request, you will receive a response, including a status code, response header, and response body.

A status code is a group of digits, ranging from 1xx to 5xx. It indicates the status of a request. For more information, see [6.1 Status Codes](#).

If status code **201** is returned for calling the API used to [obtain a user token](#), the request is successful.

Response Header

Similar to a request, a response also has a header, for example, **Content-type**.

The following figure shows the response header fields for the API used to [obtain a user token](#). The **x-subject-token** header field is the target user token. This token can then be used to authenticate the calling of other APIs.

Figure 3-2 Header fields of the response to the request for obtaining a user token

```

connection → keep-alive

content-type → application/json

date → Tue, 12 Feb 2019 06:52:13 GMT

server → Web Server

strict-transport-security → max-age=31536000; includeSubdomains;

transfer-encoding → chunked

via → proxy A

x-content-type-options → nosniff

x-download-options → noopen

x-frame-options → SAMEORIGIN

x-iam-trace-id → 218d45ab-d674-4995-af3a-2d0255ba41b5

x-subject-token
→ MIIYXQYJKoZIhvcNAQcCoIIYtjCCGEoCAQExDTALBgIghkgBZQMEAgEwgharBgkqhkiG9w0BBwGgghacBIIWmHsidG9rZW4iOansiZkxhwaXJlc19hdCI6IiwMTktMDItMTNUMC
fj3KIs6YgKnpVNRbW2eZ5eb78SZOkajACgklqO1wi4JIGzrpd18LGXK5bdfq4lqHCYb8P4NaYONyEjcAgzVefFYtLWT1GSO0zxKZmlQHq82HBqHdgIZO9fuEbL5dMhdavj+33wEl
xHRCE9I87o+k9-
j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1FruooL6jqglFkNPQuFSOU8+uSsttVwRtnfsC+qTp22Rkd5MCqFGQ8LcuUxC3a+9CMBnOintWW7oeRUVhVpxk8pxiX1wTEboX-
RzT6MUbvpvGw-oPNFYxJECKnoH3HRozv0vN--n5d6Nbxg==

x-xss-protection → 1; mode=block;

```

Response Body

The body of a response is often returned in structured format as specified in the **Content-Type** header field. The response body transfers content except the response header.

For the API used to **obtain a user token**, the response body is as follows: The following example is part of the response body for the API used to obtain a user token:

```

{
  "token": {
    "expires_at": "2019-02-13T06:52:13.855000Z",
    "methods": [
      "password"
    ],
    "catalog": [
      {
        "endpoints": [
          {
            "region_id": "cn-north-1",
            .....

```

If an error occurs during API calling, an error code and the corresponding error message will be displayed. The following shows an error response body:

```

{
  "error_msg": "The format of message is error",
  "error_code": "AS.0001"
}

```

In the response body, **error_code** is an error code, and **error_msg** provides information about the error.

4 APIs

- [4.1 API Test Suite Management](#)
- [4.2 Environment Parameter Management](#)
- [4.3 Test Plan Management](#)

4.1 API Test Suite Management

4.1.1 Generating an API Test Suite by Importing Files from the Repository

Function

Generates an API test suite by importing files from the repository.

URI

POST /v1/projects/{project_id}/repository/testsuites

Table 4-1 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	DevCloud project ID Minimum: 32 Maximum: 32

Request Parameters

Table 4-2 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header). Minimum: 1 Maximum: 100000

Table 4-3 Request body parameters

Parameter	Mandatory	Type	Description
testsuite_name	Yes	String	Name of the test suite to be generated Minimum: 3 Maximum: 128
repository_id	Yes	String	Repository ID Minimum: 32 Maximum: 32
repository_branch	Yes	String	Repository branch Minimum: 3 Maximum: 100
file_path	Yes	String	Relative path of the YAML or JSON file in the repository. Only YAML and JSON files of Swagger 2.0 are supported. Minimum: 6 Maximum: 128

Response Parameters

Status code: 201

Table 4-4 Response body parameters

Parameter	Type	Description
testsuite_id	String	ID of the generated test suite Minimum: 32 Maximum: 32
testcase_ids	Array of strings	List of generated test case IDs

Status code: 400

Table 4-5 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called Minimum: 16 Maximum: 16
error_detail	Array of CommonResponseDetail objects	Details about the interface invoking failure. This structure is unavailable for non-parameter verification failures.
error_msg	String	Error message displayed after an API fails to be called Minimum: 3 Maximum: 100

Table 4-6 CommonResponseDetail

Parameter	Type	Description
step_name	String	Records the name of the incorrect step. Minimum: 3 Maximum: 100
testcase_name	String	Case name Minimum: 3 Maximum: 128
fail_content	String	Records the actual error content. Minimum: 3 Maximum: 128

Parameter	Type	Description
fail_keys	String	Records the AW that contains the error. Minimum: 3 Maximum: 128
fail_source	String	Records the name of the header that triggers an error. Minimum: 3 Maximum: 100
fail_type	String	Records the error type. Minimum: 3 Maximum: 100
stage	String	Records the stage that contains the error. Minimum: 2 Maximum: 50

Status code: 401

Table 4-7 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 403

Table 4-8 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 404

Table 4-9 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 500

Table 4-10 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Example Requests

```
{
  "testsuite_name": "jalor_test_suite",
  "repository_id": "aa03ae96fa48f0acc223f0ab503a1f",
  "repository_branch": "master",
  "file_path": "apitest.yaml"
}
```

Example Responses

Status code: 201

Created

```
{
  "testsuite_id": "",
  "testsuite_ids": [ "" ]
}
```

Status Codes

Status Code	Description
201	Created
400	Bad Request
401	Unauthorized
403	Forbidden

Status Code	Description
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.2 Environment Parameter Management

4.2.1 Obtaining the Environment Parameter List of CloudTest

Function

Obtains the environment parameter list of CloudTest.

URI

GET /v1/projects/{project_id}/environments

Table 4-11 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	DevCloud project ID Minimum: 32 Maximum: 32

Table 4-12 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 999 Default: 0

Parameter	Mandatory	Type	Description
limit	Yes	Long	Number of items displayed on each page. A maximum of 200 items are supported. Minimum: 1 Maximum: 200 Default: 200

Request Parameters

Table 4-13 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header). Minimum: 1 Maximum: 100000

Response Parameters

Status code: **200**

Table 4-14 Response body parameters

Parameter	Type	Description
environments	Array of Environment objects	Environment list
offset	Long	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 999
limit	Long	Number of items displayed on each page. A maximum of 200 items are supported. Minimum: 1 Maximum: 200

Parameter	Type	Description
total_count	Long	Total number of environments Minimum: 0 Maximum: 100

Table 4-15 Environment

Parameter	Type	Description
environment_id	String	Environment ID Minimum: 32 Maximum: 32
environment_name	String	Environment name Minimum: 3 Maximum: 80
environment_description	String	Environment description Minimum: 0 Maximum: 500
is_default	Boolean	Whether the environment is default

Status code: 400

Table 4-16 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called Minimum: 12 Maximum: 16
error_msg	String	Error message displayed after an API fails to be called Minimum: 3 Maximum: 100

Status code: 401

Table 4-17 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 403

Table 4-18 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 404

Table 4-19 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 500

Table 4-20 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Example Requests

None

Example Responses

Status code: 200

OK

```
{
  "environments" : [ {
    "environment_id" : "ff4893796ee1a8aa009ff3a470de55d8",
    "environment_name" : "Default environment",
    "environment_description" : "Default environment",
    "is_default" : true
  } ],
  "offset" : 0,
  "limit" : 1,
  "total_count" : 50
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.3 Test Plan Management

4.3.1 Adding Test Cases in Batches to a Plan

Function

Adds test cases in batches to a plan.

URI

POST /v1/projects/{project_id}/plans/{plan_id}/testcases/batch-add

Table 4-21 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Unique ID of a project. The value is a string of 32 characters.
plan_id	Yes	String	Unique ID of a plan. The value contains 11 to 34 characters.

Request Parameters

Table 4-22 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header).

Table 4-23 Request body parameters

Parameter	Mandatory	Type	Description
service_id	Yes	Integer	Service ID returned by the API for registering a test service
testcase_id_list	Yes	Array of strings	Number of cases contained in the plan. The array length is less than 50. Only one test type can be contained.

Response Parameters

Status code: 500

Table 4-24 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Parameter	Type	Description
error_detail	ErrorDetailInfo object	Details about failed batch operations. This structure is unavailable when all operations fail.

Table 4-25 ErrorDetailInfo

Parameter	Type	Description
failed	Array of ErrorCaseInfoBean objects	Details about the resources that fail to be operated in batches

Table 4-26 ErrorCaseInfoBean

Parameter	Type	Description
error_code	String	Error code
error_msg	String	Error message
testcase_id	String	Failed resource information

Example Requests

```
post https://{endpoint}/v1/projects/efdb403066474ab08836b9eaaaa23bca/plans/9b26f58ec29943f681804a6628779a23/testcases/batch-add
{
  "service_id" : 13,
  "testcase_id_list" : [ "97b82412f1ca4628803b918c27ed09de", "97b82412f1ca4628803b918c27ed09de", "97b82412f1ca4628803b918c27ed09de" ]
}
```

Example Responses

Status code: 500

Internal Server Error

```
{
  "error_code" : "CLOUDTEST.00000001",
  "error_msg" : "Error message displayed after an API fails to be called",
  "error_detail" : {
    "failed" : [ {
      "error_code" : "CLOUDTEST.00000001",
      "error_msg" : "Error message returned",
      "testcase_id" : "efdb403066474ab08836b9eaaaa23bca"
    } ]
  }
}
```

Status Codes

Status Code	Description
204	No Content
400	Bad Request
401	Unauthorized
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.3.2 Creating a Plan in a Project

Function

Create a plan in a project.

URI

POST /v1/projects/{project_id}/plans

Table 4-27 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Unique ID of a project. The value is a string of 32 characters.

Request Parameters

Table 4-28 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header).

Table 4-29 Request body parameters

Parameter	Mandatory	Type	Description
assigned_id	No	String	Processor ID. If this parameter is left blank, the current user is used by default.
name	Yes	String	Plan name
plan_cycle	Yes	PlanCycle object	Plan period
service_id_list	Yes	Array of integers	Case types contained in the plan. The array length is less than 10.

Table 4-30 PlanCycle

Parameter	Mandatory	Type	Description
end_date	No	String	End time of a plan, which must be UTC time. Example, 2020-03-31
start_date	No	String	Start time of a plan, which must be UTC time. Example, 3/4/2020

Response Parameters

Status code: 201

Table 4-31 Response body parameters

Parameter	Type	Description
plan_id	String	Plan ID returned after the API is called successfully
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Example Requests

```
post https://{endpoint}/v1/projects/efdb403066474ab08836b9eeaaa23bca/plans
{
  "assigned_id" : "efdb403066474ab08836b9eeaaa23bca",
```

```
"name" : "This is a test plan name",  
"plan_cycle" : {  
  "end_date" : "2020-03-31",  
  "start_date" : "2020-03-04"  
},  
"service_id_list" : [ 13, 24 ]  
}
```

Example Responses

Status code: 201

Created

```
{  
  "plan_id" : "b66aab5469cc4ab39b0dda8e644a42a4",  
  "error_code" : "CLOUDTEST.00000001",  
  "error_msg" : "Error message displayed after an API fails to be called"  
}
```

Status Codes

Status Code	Description
201	Created
400	Bad Request
401	Unauthorized
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.3.3 Querying the Test Plan List in a Project

Function

Queries the test plan list in a project.

URI

GET /v1/projects/{project_id}/plans

Table 4-32 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	DevCloud project ID, which uniquely identifies a project. The value contains 32 characters.

Table 4-33 Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Used for fuzzy query (for test plan names)
current_stage	No	String	Test plan stage (create, design, execute, or report)
offset	Yes	Integer	Page number. The value ranges from 1 to 20000.
limit	Yes	Integer	Number of items displayed on each page. The value ranges from 1 to 200.

Request Parameters

Table 4-34 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header).

Response Parameters

Status code: 201

Table 4-35 Response body parameters

Parameter	Type	Description
[items]	Array of TestPlanDetail objects	Response for querying the test plan list in a project

Table 4-36 TestPlanDetail

Parameter	Type	Description
creator	creator object	Test plan creator information
current_stage	String	Stage of the current test plan
design_stage	design_stage object	Information about the test plan design stage
end_date	String	Test plan deadline
execute_stage	execute_stage object	Information about the test plan execution stage
expire_day	String	Obtains the expiration time. A positive value indicates that the plan has expired.
finish_date	String	Actual completion time of the test plan (Actual completion of the test plan means that all test cases under the test plan are completed.)
iteration	NameAndId object	Test plan iteration No. and iteration name
name	String	Test plan name
owner	owner object	Test plan processor information
plan_id	String	Test plan ID
project_id	String	Project ID
report_stage	report_stage object	Statistics in the report stage
start_date	String	Test plan start time

Table 4-37 creator

Parameter	Type	Description
id	String	ID of the test plan creator
nick_name	String	Alias of the test plan creator. This parameter is not returned if the user does not set an alias.
user_name	String	Name of the test plan creator

Table 4-38 design_stage

Parameter	Type	Description
case_count	Integer	Number of cases
issue_count	Integer	Number of requirements
issue_covered_count	String	Number of requirements associated with test cases

Table 4-39 execute_stage

Parameter	Type	Description
case_pass_rate	String	Test case pass rate, which is calculated based on test case results
completed_defect_count	Integer	Number of completed defects
defect_count	Integer	Number of defects
executed_case_count	Integer	Number of executed test cases, counted by test case status

Table 4-40 NameAndId

Parameter	Type	Description
id	String	Object ID
name	String	object name

Table 4-41 owner

Parameter	Type	Description
id	String	Test plan processor ID
name	String	Name of the test plan processor. nickName is returned first. If nickName does not exist, userName is returned.
nick_name	String	Alias of the test plan processor. This parameter is not returned if the user does not set an alias.
user_name	String	Username of the test plan processor

Table 4-42 report_stage

Parameter	Type	Description
case_completion_rate	String	Case completion rate, which is calculated by status

Status code: 400

Table 4-43 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 401

Table 4-44 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 404

Table 4-45 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 500

Table 4-46 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Example Requests

```
get https://{endpoint}/v1/projects/efdb403066474ab08836b9eeaaa23bca/plans?offset=1&limit=10&current_stage
```

Example Responses

Status code: 201

OK

```
[ {
  "creator" : {
    "id" : "efdb403066474ab08836b9eeaaa23bca",
    "nick_name" : "Tester",
    "user_name" : "Tester"
  },
  "current_stage" : "design",
  "design_stage" : {
    "case_count" : 2,
    "issue_count" : 0,
    "issue_covered_count" : "0"
  },
  "end_date" : "2021-07-10",
  "execute_stage" : {
    "case_pass_rate" : "0.00%",
    "completed_defect_count" : 0,
    "defect_count" : 0,
    "executed_case_count" : 0
  },
  "expire_day" : "-4",
  "finish_date" : "2021-07-10",
  "iteration" : {
    "id" : "ID",
    "name" : "Name"
  },
  "name" : "Test",
  "owner" : {
    "id" : "efdb403066474ab08836b9eeaaa23bca",
    "name" : "Tester",
    "nick_name" : "Tester",
    "user_name" : "Tester"
  },
  "plan_id" : "c7c2ddf2ea914164ac6ee76bf11a30ea",
  "project_id" : "9b26f58ec29943f681804a6628779a23",
  "report_stage" : {
    "case_complete_rate" : "100.00%"
  },
  "start_date" : "2021-07-10"
} ]
```

Status Codes

Status Code	Description
201	OK
400	Bad Request
401	Unauthorized
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.3.4 Querying the Requirement Tree of a Test Plan

Function

Queries the requirement list in a test plan.

URI

GET /v1/projects/{project_id}/plans/{plan_id}/issues

Table 4-47 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	DevCloud project ID, which uniquely identifies a project. The value contains 32 characters.
plan_id	Yes	String	Test plan ID, which uniquely identifies a test plan. The value is a string of 11 to 34 characters.

Table 4-48 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 999 Default: 0
limit	Yes	Long	Number of items displayed on each page. A maximum of 200 items are supported. Minimum: 1 Maximum: 200 Default: 200

Request Parameters

Table 4-49 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header).

Response Parameters

Status code: 201

Table 4-50 Response body parameters

Parameter	Type	Description
[items]	Array of TestPlanIssueDetail objects	Requirement list associated with a test plan in a project

Table 4-51 TestPlanIssueDetail

Parameter	Type	Description
end_date	String	Deadline
iteration	NameAndId object	Test plan iteration No. and iteration name
module	NameAndId object	Test plan iteration No. and iteration name
name	String	Work item name
owner	NameAndId object	Test plan iteration No. and iteration name
parent_issue	String	Parent work item
plan_id	String	Test plan ID
project_id	String	DevCloud project ID, which uniquely identifies a project. The value contains 32 characters.
region_id	String	Region
severity	NameAndId object	Test plan iteration No. and iteration name
start_date	String	Start date
status	NameAndId object	Test plan iteration No. and iteration name
tracker	NameAndId object	Test plan iteration No. and iteration name
workitem_id	String	Work item ID

Table 4-52 NameAndId

Parameter	Type	Description
id	String	Object ID
name	String	object name

Status code: 400

Table 4-53 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 401

Table 4-54 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 404

Table 4-55 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 500

Table 4-56 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Example Requests

```
get https://{endpoint}/v1/projects/efdb403066474ab08836b9eeaaa23bca/plans/  
9b26f58ec29943f681804a6628779a23/issues?offset=1&limit=10
```

Example Responses

Status code: 201

OK

```
[ {  
  "end_date": "2021-12-11 00:00:00",  
  "iteration": {  
    "id": "ID",  
    "name": "Name"  
  },  
  "module": {  
    "id": "ID",  
    "name": "Name"  
  },  
  "name": "Work item 1",  
  "owner": {  
    "id": "ID",  
    "name": "Name"  
  },  
  "parent_issue": "4192352",  
  "plan_id": "c7c2ddf2ea914164ac6ee76bf11a30ea",  
  "project_id": "9b26f58ec29943f681804a6628779a23",  
  "region_id": "cn-north-7",  
  "severity": {  
    "id": "ID",  
    "name": "Name"  
  },  
  "start_date": "2021-12-10 00:00:00",  
  "status": {  
    "id": "ID",  
    "name": "Name"  
  },  
  "tracker": {  
    "id": "ID",  
    "name": "Name"  
  },  
  "workitem_id": "4192353"  
}
```

Status Codes

Status Code	Description
201	OK
400	Bad Request
401	Unauthorized
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.3.5 Querying the Operation History of a Test Plan

Function

Queries the operation history of a test plan.

URI

GET /v1/projects/{project_id}/plans/{plan_id}/journals

Table 4-57 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	DevCloud project ID, which uniquely identifies a project. The value contains 32 characters.
plan_id	Yes	String	Test plan ID, which uniquely identifies a test plan. The value is a string of 11 to 34 characters.

Table 4-58 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 999 Default: 0
limit	Yes	Long	Number of items displayed on each page. A maximum of 200 items are supported. Minimum: 1 Maximum: 200 Default: 200

Request Parameters

Table 4-59 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header).

Response Parameters

Status code: 201

Table 4-60 Response body parameters

Parameter	Type	Description
[items]	Array of TestPlanJournalList objects	Response for querying the operation history of a test plan in a project

Table 4-61 TestPlanJournalList

Parameter	Type	Description
detail	Array of TestPlanJournalDetail objects	Historical record details
operate_time	String	Change time
operator	NameAndId object	Test plan iteration No. and iteration name
plan_id	String	Test plan ID
project_id	String	DevCloud project ID, which uniquely identifies a project. The value contains 32 characters.

Table 4-62 TestPlanJournalDetail

Parameter	Type	Description
added	Array of NameAndId objects	Records of adding test plan resources (work items or test cases)
deleted	Array of NameAndId objects	Records of removing test plan resources (work items or test cases)
journalized_type	String	Specific type in change records. Example: test case or issue
type	String	Whether the basic information or a resource is changed (adding or removing issues/cases)
updated	Array of AttributeChange objects	Change of the basic information about the test plan. It includes the plan name, test type, plan processor, version number, associated iteration, start date, end date/deadline, and description.

Table 4-63 NameAndId

Parameter	Type	Description
id	String	Object ID
name	String	object name

Table 4-64 AttributeChange

Parameter	Type	Description
attribute_type	String	Changed test plan attributes
new_value	String	Changed value
old_value	String	Original value

Status code: 400

Table 4-65 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called

Parameter	Type	Description
error_msg	String	Error message displayed after an API fails to be called

Status code: 401

Table 4-66 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 404

Table 4-67 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 500

Table 4-68 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Example Requests

```
get https://{endpoint}/v1/projects/efdb403066474ab08836b9eeaaa23bca/plans/9b26f58ec29943f681804a6628779a23/journals?offset=1&limit=10
```

Example Responses

Status code: 201

OK

```
[{
  "detail": [{
    "added": [{
      "id": "ID",
      "name": "Name"
    }],
    "deleted": [{
      "id": "ID",
      "name": "Name"
    }],
    "journalized_type": "plan",
    "type": "resource/attribute",
    "updated": [{
      "attribute_type": "name",
      "new_value": "tester",
      "old_value": "test"
    }]
  }],
  "operate_time": "2021-07-10",
  "operator": {
    "id": "ID",
    "name": "Name"
  },
  "plan_id": "c7c2ddf2ea914164ac6ee76bf11a30ea",
  "project_id": "9b26f58ec29943f681804a6628779a23"
}]
```

Status Codes

Status Code	Description
201	OK
400	Bad Request
401	Unauthorized
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.3.6 Querying the Test Plan List in a Project (V2)

Function

Queries the test plan list in a project (V2).

URI

GET /v2/projects/{project_id}/plans

Table 4-69 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	DevCloud project ID, which uniquely identifies a project. The value contains 32 characters.

Table 4-70 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0.
limit	Yes	Integer	Number of items displayed on each page. A maximum of 200 items are supported.
name	No	String	Used for fuzzy query (for test plan names)
current_stage	No	String	Test plan stage (create, design, execute, or report)

Request Parameters

Table 4-71 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Call IAM to obtain the user token (value of X-Subject-Token in the response header).

Response Parameters

Status code: 201

Table 4-72 Response body parameters

Parameter	Type	Description
[items]	Array of TestPlanDetail objects	Response for querying the test plan list in a project

Table 4-73 TestPlanDetail

Parameter	Type	Description
creator	creator object	Test plan creator information
current_stage	String	Stage of the current test plan
design_stage	design_stage object	Information about the test plan design stage
end_date	String	Test plan deadline
execute_stage	execute_stage object	Information about the test plan execution stage
expire_day	String	Obtains the expiration time. A positive value indicates that the plan has expired.
finish_date	String	Actual completion time of the test plan (Actual completion of the test plan means that all test cases under the test plan are completed.)
iteration	NameAndId object	Test plan iteration No. and iteration name
name	String	Test plan name
owner	owner object	Test plan processor information
plan_id	String	Test plan ID
project_id	String	Project ID
report_stage	report_stage object	Statistics in the report stage
start_date	String	Test plan start time

Table 4-74 creator

Parameter	Type	Description
id	String	ID of the test plan creator

Parameter	Type	Description
nick_name	String	Alias of the test plan creator. This parameter is not returned if the user does not set an alias.
user_name	String	Name of the test plan creator

Table 4-75 design_stage

Parameter	Type	Description
case_count	Integer	Number of cases
issue_count	Integer	Number of requirements
issue_covered_count	String	Number of requirements associated with test cases

Table 4-76 execute_stage

Parameter	Type	Description
case_pass_rate	String	Test case pass rate, which is calculated based on test case results
completed_defect_count	Integer	Number of completed defects
defect_count	Integer	Number of defects
executed_case_count	Integer	Number of executed test cases, counted by test case status

Table 4-77 NameAndId

Parameter	Type	Description
id	String	Object ID
name	String	object name

Table 4-78 owner

Parameter	Type	Description
id	String	Test plan processor ID

Parameter	Type	Description
name	String	Name of the test plan processor. nickName is returned first. If nickName does not exist, userName is returned.
nick_name	String	Alias of the test plan processor. This parameter is not returned if the user does not set an alias.
user_name	String	Username of the test plan processor

Table 4-79 report_stage

Parameter	Type	Description
case_completion_rate	String	Case completion rate, which is calculated by status

Status code: 400

Table 4-80 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 401

Table 4-81 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 404

Table 4-82 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Status code: 500

Table 4-83 Response body parameters

Parameter	Type	Description
error_code	String	Error code displayed after an API fails to be called
error_msg	String	Error message displayed after an API fails to be called

Example Requests

```
get https://{endpoint}/v2/projects/efdb403066474ab08836b9eeaaa23bca/plans?offset=1&limit=10&name&current_stage
```

Example Responses

Status code: 201

OK

```
[ {
  "creator" : {
    "id" : "efdb403066474ab08836b9eeaaa23bca",
    "nick_name" : "Tester",
    "user_name" : "Tester"
  },
  "current_stage" : "design",
  "design_stage" : {
    "case_count" : 2,
    "issue_count" : 0,
    "issue_covered_count" : "0"
  },
  "end_date" : "2021-07-10",
  "execute_stage" : {
    "case_pass_rate" : "0.00%",
    "completed_defect_count" : 0,
    "defect_count" : 0,
    "executed_case_count" : 0
  },
  "expire_day" : "-4",
  "finish_date" : "2021-07-10",
  "iteration" : {
    "id" : "ID",
    "name" : "Name"
  },
}
```

```
"name" : "Test",  
"owner" : {  
  "id" : "efdb403066474ab08836b9eeaaa23bca",  
  "name" : "Tester",  
  "nick_name" : "Tester",  
  "user_name" : "Tester"  
},  
"plan_id" : "c7c2ddf2ea914164ac6ee76bf11a30ea",  
"project_id" : "9b26f58ec29943f681804a6628779a23",  
"report_stage" : {  
  "case_complete_rate" : "100.00%"  
},  
"start_date" : "2021-07-10"  
}]
```

Status Codes

Status Code	Description
201	OK
400	Bad Request
401	Unauthorized
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

5 Application Examples

5.1 Example 3: User Plan Operations

5.1 Example 3: User Plan Operations

Scenario

This scenario is applicable to users who have created projects in CloudTest and have created cases in their own projects. They can create different plans to manage their own cases.

The following procedure describes how to create a test plan and add cases to the plan.

Prerequisites

You have created a project and created your own cases.

Involved APIs

User plan operations include creating a plan under a project and adding test cases to a plan in batches. To add test cases to a plan, you must have created test cases in advance. The following APIs are involved:

- **Creating a Plan in a Project:** You can create your own test plan under the third-party test type in the project.
- **Adding Test Cases in Batches to a Plan:** After the plan is created, associate test cases with the plan.

Procedure

Step 1 Determine the user token that can be used to authenticate the calling of other APIs.

1. View the user token. For details, see [Obtaining a User Token](#).
2. Obtain the value of **X-Subject-Token** in the response header.

Step 2 Create a test plan.

- API information
URL format: POST /v1/projects/{project_id}/plans
For details about API request parameters, see [Creating a Plan in a Project](#).

- Example request

POST https://{endpoint}/v1/projects/{project_id}/plans

- Obtain the value of {endpoint} from [1.3 Endpoints](#).
- {project_id} uniquely identifies a project.

Body:

```
{
  "name": " is a test plan name.",
  "assigned_id" : "efdb403066474ab08836b9eeaaa23bca",
  "service_id_list" : [ 0 ],
  "plan_cycle" : {
    "start_date" : "2020-03-04",
    "end_date" : "2020-03-31"
  }
}
```

- Example response

```
{
  "plan_id" : "efdb403066474ab08836b9eeaaa23bca",
  "error_code" : "CLOUDTEST.000XXXXXX",
  "error_msg" : "Failure cause: xxx"
}
```

Step 3 Add a case to the test plan.

- API information

URL format: POST /v1/projects/{project_id}/plans/{plan_id}/testcases/batch-add

For details about API request parameters, see [Adding Test Cases in Batches to a Plan](#).

- Example request

POST https://{endpoint}/v1/projects/{project_id}/plans/{plan_id}/testcases/batch-add

- Obtain the value of {endpoint} from [1.3 Endpoints](#).
- {project_id} uniquely identifies a project.

Body:

```
{
  "service_id" : 13,
  "testcase_id_list" : [ "efdb403066474ab08836b9eeaaa23bca",
    "251fca07b22f493692eb06b1754f07a8" ]
}
```

- Example response

```
{
  "error_code" : "CLOUDTEST.000XXXXXX",
  "error_msg" : "Failure cause: xxx"
  "error_detail" : {
    "failed" : [ {
      "error_code" : "CLOUDTEST.000XXXXXX",
      "error_msg" : "Failure cause: xxx"
      "testcase_id" : "efdb403066474ab08836b9eeaaa23bca"
    }, {
      "error_code" : "CLOUDTEST.000XXXXXX",
      "error_msg" : "Failure cause: xxx"
      "testcase_id" : "251fca07b22f493692eb06b1754f07a8"
    }
  ]
}
```

```
}  
}  
}
```

----End

6 Appendix

[6.1 Status Codes](#)

[6.2 Error Codes](#)

[6.3 Obtaining a Project ID](#)

[6.4 Obtaining an Account ID](#)

6.1 Status Codes

Table 6-1 Normal status codes

Status Code	Description
200	OK
201	Created

Table 6-2 Abnormal status codes

Status Code	Description
204	No Content
400	Bad Resuest
401	Unauthorized
404	Not Found
500	Internal Server Error

6.2 Error Codes

If an error code starting with APIGW is returned after you call an API, rectify the fault by referring to the instructions provided in [API Gateway Error Codes](#).

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00010005	Failed to invoke the service.	Inter-Service Communication Problems	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00012002	Failed to verify the project UUID.	The project ID does not meet the specifications.	Check whether the item ID contains 32 characters.
400	CLOUDTEST.00013024	You do not have the permission to add a case.	The user has no permission to add this type of test case.	Contact the administrator to grant permissions to the user.
400	CLOUDTEST.00013025	No Permission Query Case	The user does not have the permission to query this type of test cases.	Contact the administrator to grant permissions to the user.
400	CLOUDTEST.00013026	No permission to update cases	The user does not have the permission to update the information about this type of test case.	Contact the administrator to grant permissions to the user.
400	CLOUDTEST.00014000	The requirement ID does not exist.	The requirement ID is empty when the input parameter is transferred.	Contact customer service personnel for troubleshooting.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00014001	The requirement does not exist under the project.	The imported requirement cannot be found under the imported project.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00014003	The number of cases under the requirement has reached the maximum.	The number of test cases under the requirement exceeds the maximum.	Check whether the number of cases under the requirement exceeds the maximum 200.
400	CLOUDTEST.00015002	The directory does not exist.	The directory cannot be found because the input parameter is being transferred.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017000	Case ID verification failed.	The test case ID does not comply with specifications.	Check whether the test case ID contains 32 characters.
400	CLOUDTEST.00017001	The case does not exist.	The target test case cannot be queried when the input parameter is transferred.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017003	Failed to verify the test plan ID.	The test plan ID does not comply with the specifications.	Check whether the test plan ID contains 32 characters.
400	CLOUDTEST.00017004	The length of the test case operation step exceeds the maximum length of 500.	In the input parameter, the length of the case operation step exceeds the maximum length.	Check whether the length of the operation procedure field exceeds the maximum length 500.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017005	The expected length of the test case exceeds the maximum length of 500.	The length of the expected result exceeds the maximum allowed length.	Check whether the expected length of the step field in the test case exceeds the maximum length 500.
400	CLOUDTEST.00017006	Invalid iteration ID.	The input parameters are transferred, and the iteration cannot be queried.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017009	Failed to verify the execution ID.	The test case execution ID does not comply with specifications.	Check whether the test case execution ID is within 32 characters.
400	CLOUDTEST.00017011	The case name contains invalid forbidden characters.	In the input parameter, the case name contains invalid characters.	Check the case name and remove invalid characters.
400	CLOUDTEST.00017012	Failed to verify the service type list.	Service type list verification fails.	Check whether the length of the requested service type array exceeds 10.
400	CLOUDTEST.00017013	The test case precondition length exceeds the maximum.	In the input parameter, the case precondition exceeds the length limit.	Check whether the prerequisites of the test case exceed 500 characters.
400	CLOUDTEST.00017014	The length of the case description exceeds the maximum length.	In the input parameter, the length of the case description exceeds the limit.	Check whether the case description exceeds 500 characters.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017015	Duplicate case ID.	In the input parameter, the case ID has been used by another case.	Change the case ID.
400	CLOUDTEST.00017016	The number of cases in the project has reached the upper limit of 50,000. Please submit a HUAWEI CLOUD service ticket to increase the upper limit.	The number of cases in the project has reached the upper limit of 50,000. Please submit a HUAWEI CLOUD service ticket to increase the upper limit.	Check whether the number of cases exceeds the upper limit. Delete some cases or submit a HUAWEI CLOUD service ticket to increase the upper limit.
400	CLOUDTEST.00017017	The case ID cannot be empty.	The case ID is empty in the input parameter.	The test case number should be set.
400	CLOUDTEST.00017019	Failed to verify the test case execution duration.	Duration does not meet requirements	Check whether the transferred parameter is in the integer format.
400	CLOUDTEST.00017020	Some test cases fail to be executed.	Not All Cases Successfully Executed in Batches	Check whether the design of failed cases complies with the requirements. If no problem is found, contact customer service.
400	CLOUDTEST.00017021	Failed to update some test cases.	Not All Cases Successfully Updated in Batches	Check whether the design of the failed update cases complies with the requirements. If no problem is found, contact customer service.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017032	Failed to verify the handler ID.	The handler ID does not meet requirements.	Check whether the processor ID is a 32-bit character string.
400	CLOUDTEST.00017036	Failed to delete the case.	Failed to delete the case because the communication between services is abnormal.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017038	Failed to verify the service type.	The service type used by the interface is not compliant or does not exist.	Check whether the entered service type is correct.
400	CLOUDTEST.00017051	Invalid test case version.	The test case version number is incorrectly transferred in the input parameter.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017054	The test case grade range is incorrect.	The value of the test case level is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017055	The number of test cases to be executed in batches exceeds the upper limit.	The number of cases to be executed in batches exceeds the upper limit.	Check whether more than 50 cases are executed in batches.
400	CLOUDTEST.00017056	The number of batch update test cases exceeds the upper limit.	The number of cases to be updated in batches exceeds the maximum.	Check whether more than 50 cases are updated in batches.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017057	The case does not exist under the project or plan.	The transferred case cannot be queried under the transferred project or plan.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017058	Test case result verification failed.	The test case result does not meet the setting requirements.	Check whether the value is 0, 1, 5, or 6.
400	CLOUDTEST.00018001	The tag name exceeds the maximum length.	The tag length exceeds the limit in the input parameter.	Check whether the label length exceeds 25 characters.
400	CLOUDTEST.00018002	The number of tags associated with the test case exceeds the upper limit.	The number of tags associated with the test case exceeds the upper limit.	Check whether the number of tags associated with the case exceeds 30.
400	CLOUDTEST.00018004	The number of labels exceeds the maximum.	The number of tags added to the project exceeds the maximum.	Check whether the number of tags under the project exceeds 10000.
400	CLOUDTEST.00018005	The tag name exceeds the maximum length of 25 characters.	In the input parameter, the value of the tag name is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030001	Failed to verify the test case ID list.	The case ID list for batch operation does not meet the specifications.	Check whether the number of test cases in batches exceeds 50 and whether the ID of a single test case contains 32 characters.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00030002	Failed to verify the third-party service name.	The entered service name does not comply with the specifications.	Check whether the entered service name contains more than 16 characters.
400	CLOUDTEST.00030004	Failed to verify the provisioning area.	The region value is incorrectly transferred in the input parameter.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030007	The introduction is not standard.	In the input parameter, the introduction value is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030037	The third-party service registration parameter is incorrectly parsed.	Non-compliance occurred when parsing registration parameters.	Check whether the input parameters comply with the requirements.
400	CLOUDTEST.00030038	Parameter parsing error in the test case for deleting a third-party service	The input parameter does not meet the specifications.	Check whether the input parameters comply with the requirements.
400	CLOUDTEST.00030040	Third-party service deletion frequency is not standard.	In the input parameter, the frequency is deleted. The transferred value is incorrect.	Contact customer service personnel for troubleshooting.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00030041	The third-party service deletion rule is not standard.	The input parameter is transferred, and the value of the deletion rule is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030043	Failed to verify the third-party service domain name.	The entered domain name does not meet the requirements.	Check whether the entered domain name starts with https/http or contains more than 128 characters.
400	CLOUDTEST.00030044	Incorrect interconnection mode.	In the input parameter, the value transferred in the interconnection mode is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030045	Incorrect service type	The value of the service type is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030047	Failed to verify the tenant information of the integration service.	The tenant transfer value is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00040008	The end time cannot be empty.	The end time is empty in the input parameter.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00040011	The expected result length exceeds the maximum length of 500 characters.	The expected result is incorrectly transferred in the input parameter.	Contact customer service personnel for troubleshooting.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00040012	Invalid module information.	The value transferred by the module is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00040014	Failed to verify the case name.	The length of the test case name does not meet the requirement.	Check whether the test case name contains 3 to 128 characters.
400	CLOUDTEST.00060005	Failed to verify the start time of the test case.	The start time does not meet requirements.	Check whether the transferred parameter is a timestamp.
400	CLOUDTEST.00060006	Failed to verify the end time of the test case.	The end time does not meet requirements.	Check whether the transferred parameter is a timestamp.
400	CLOUDTEST.00060010	Failed to verify the plan start time.	The format of the plan start time is incorrect.	Check whether the time format is XXXX-XX-XX.
400	CLOUDTEST.00060011	Failed to verify the plan end time.	The format of the planned end time is incorrect.	Check whether the time format is XXXX-XX-XX.
400	CLOUDTEST.00070002	The selected case is not included in the test plan.	In the input parameters, the case-related information is not found in the transferred test plan.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00070003	Invalid test plan information.	The transferred values of the test plan do not comply with the specifications.	Contact customer service personnel for troubleshooting.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00070010	Failed to verify the test plan name.	The length of the test plan name does not meet requirements.	Check whether the entered test plan name contains more than 128 characters or contains special characters such as #, %, and ().
400	CLOUDTEST.00088006	The execution result is not defined.	The execution result is empty when the input parameter is transferred.	Contact customer service personnel for troubleshooting.
401	CLOUDTEST.00013013	The current user does not have the permission to delete this type of test case.	The current user does not have the permission to delete this type of test case.	Check whether the current user has the permission to change the type of the test case.
401	CLOUDTEST.00030003	The current user has insufficient permissions.	The current user has insufficient permissions.	Check whether the current account is an account administrator.
401	CLOUDTEST.00050001	The token is invalid. Replace the token and try again.	The token expires.	Check whether the latest token is used for invoking the interface.
500	CLOUDTEST.00013001	The current user does not have the permission to operate the test type.	The current user does not have the permission to change the test type.	Select a test type with permission and add it to the plan.

Status Code	Error Codes	Error Message	Description	Solution
500	CLOUDTEST.00013002	The plan contains test service types that do not have permission to perform operations.	The plan contains test service types for which the current user has no permission to perform operations.	Check whether all service types in the request have permission operations.
500	CLOUDTEST.00017022	Case execution exception.	Case execution exception.	Check whether the case execution information in the request body is compliant.
500	CLOUDTEST.00017023	Abnormal update of test case results	Case status update exception.	Check whether the update information in the case result in the request body is compliant.
500	CLOUDTEST.00017024	Repeat the test case.	Repeated execution of all cases in the request information.	Check whether the request body contains repeated test cases.
500	CLOUDTEST.00017025	Repeated update results of test cases	Repeated update results of all cases in the request information	Check whether the request body contains repeated update results.
500	CLOUDTEST.00017026	Repeated execution of some test cases	Repeated cases exist in the request information.	Check whether the request body contains repeated test cases.
500	CLOUDTEST.00017027	Repeated update results of some test cases	The request contains the repeated update result.	Check whether the request body contains repeated update results.
500	CLOUDTEST.00017028	This case cannot be repeated.	Repeated execution of a case in the request information	Check whether the test case in the prompt information is repeatedly executed.

Status Code	Error Codes	Error Message	Description	Solution
500	CLOUDTEST.00017029	The test case result cannot be updated repeatedly.	Repeated update results for a case in the request information	Check whether the test case in the prompt information is repeatedly updated.
500	CLOUDTEST.00030022	The current user does not have the permission to perform this operation.	The current user does not have the permission to perform this operation.	Check whether the operation is performed by the primary account.
500	CLOUDTEST.00030028	Duplicate service name.	The registered service name already exists.	The current service name already exists and cannot be registered again.
500	CLOUDTEST.00030046	The service type has been deleted and cannot be updated.	The registration service has been deleted.	The current service has been deleted and cannot be deleted repeatedly.
500	CLOUDTEST.00040003	The start time cannot be later than the end time.	The start time is greater than the end time.	Change start or end time
500	CLOUDTEST.00050000	The system is busy.	The system is busy due to an internal exception.	Whether the retry check function is available
500	CLOUDTEST.00070008	The selected person is a participant or a viewer and cannot be set as a handler.	The processor does not meet the requirements.	Change the handler to another role.
500	CLOUDTEST.00070009	The test plan name already exists.	Duplicate test plan name.	Modify Plan Name
400	CLOUDTEST.00010005	Failed to invoke the service.	Inter-Service Communication Problems	Contact customer service personnel for troubleshooting.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00012002	Failed to verify the project UUID.	The project ID does not meet the specifications.	Check whether the item ID contains 32 characters.
400	CLOUDTEST.00013024	You do not have the permission to add a case.	The user has no permission to add this type of test case.	Contact the administrator to grant permissions to the user.
400	CLOUDTEST.00013025	No Permission Query Case	The user does not have the permission to query this type of test cases.	Contact the administrator to grant permissions to the user.
400	CLOUDTEST.00013026	No permission to update cases	The user does not have the permission to update the information about this type of test case.	Contact the administrator to grant permissions to the user.
400	CLOUDTEST.00014000	The requirement ID does not exist.	The requirement ID is empty when the input parameter is transferred.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00014001	The requirement does not exist under the project.	The imported requirement cannot be found under the imported project.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00014003	The number of cases under the requirement has reached the maximum.	The number of test cases under the requirement exceeds the maximum.	Check whether the number of cases under the requirement exceeds the maximum 200.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00015002	The directory does not exist.	The directory cannot be found because the input parameter is being transferred.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017000	Case ID verification failed.	The test case ID does not comply with specifications.	Check whether the test case ID contains 32 characters.
400	CLOUDTEST.00017001	The case does not exist.	The target test case cannot be queried when the input parameter is transferred.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017003	Failed to verify the test plan ID.	The test plan ID does not comply with the specifications.	Check whether the test plan ID contains 32 characters.
400	CLOUDTEST.00017004	The length of the test case operation step exceeds the maximum length of 500.	In the input parameter, the length of the case operation step exceeds the maximum length.	Check whether the length of the operation procedure field exceeds the maximum length 500.
400	CLOUDTEST.00017005	The expected length of the test case exceeds the maximum length of 500.	The length of the expected result exceeds the maximum allowed length.	Check whether the expected length of the step field in the test case exceeds the maximum length 500.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017006	Invalid iteration ID.	The input parameters are transferred, and the iteration cannot be queried.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017009	Failed to verify the execution ID.	The test case execution ID does not comply with specifications.	Check whether the test case execution ID is within 32 characters.
400	CLOUDTEST.00017011	The case name contains invalid forbidden characters.	In the input parameter, the case name contains invalid characters.	Check the case name and remove invalid characters.
400	CLOUDTEST.00017012	Failed to verify the service type list.	Service type list verification fails.	Check whether the length of the requested service type array exceeds 10.
400	CLOUDTEST.00017013	The test case precondition length exceeds the maximum.	In the input parameter, the case precondition exceeds the length limit.	Check whether the prerequisites of the test case exceed 500 characters.
400	CLOUDTEST.00017014	The length of the case description exceeds the maximum length.	In the input parameter, the length of the case description exceeds the limit.	Check whether the case description exceeds 500 characters.
400	CLOUDTEST.00017015	Duplicate case ID.	In the input parameter, the case ID has been used by another case.	Change the case ID.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017016	The number of cases in the project has reached the upper limit of 50,000. Please submit a HUAWEI CLOUD service ticket to increase the upper limit.	The number of cases in the project has reached the upper limit of 50,000. Please submit a HUAWEI CLOUD service ticket to increase the upper limit.	Check whether the number of cases exceeds the upper limit. Delete some cases or submit a HUAWEI CLOUD service ticket to increase the upper limit.
400	CLOUDTEST.00017017	The case ID cannot be empty.	The case ID is empty in the input parameter.	The test case number should be set.
400	CLOUDTEST.00017019	Failed to verify the test case execution duration.	Duration does not meet requirements	Check whether the transferred parameter is in the integer format.
400	CLOUDTEST.00017020	Some test cases fail to be executed.	Not All Cases Successfully Executed in Batches	Check whether the design of failed cases complies with the requirements. If no problem is found, contact customer service.
400	CLOUDTEST.00017021	Failed to update some test cases.	Not All Cases Successfully Updated in Batches	Check whether the design of the failed update cases complies with the requirements. If no problem is found, contact customer service.
400	CLOUDTEST.00017032	Failed to verify the handler ID.	The handler ID does not meet requirements.	Check whether the processor ID is a 32-bit character string.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017036	Failed to delete the case.	Failed to delete the case because the communication between services is abnormal.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017038	Failed to verify the service type.	The service type used by the interface is not compliant or does not exist.	Check whether the entered service type is correct.
400	CLOUDTEST.00017051	Invalid test case version.	The test case version number is incorrectly transferred in the input parameter.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017054	The test case grade range is incorrect.	The value of the test case level is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017055	The number of test cases to be executed in batches exceeds the upper limit.	The number of cases to be executed in batches exceeds the upper limit.	Check whether more than 50 cases are executed in batches.
400	CLOUDTEST.00017056	The number of batch update test cases exceeds the upper limit.	The number of cases to be updated in batches exceeds the maximum.	Check whether more than 50 cases are updated in batches.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00017057	The case does not exist under the project or plan.	The transferred case cannot be queried under the transferred project or plan.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00017058	Test case result verification failed.	The test case result does not meet the setting requirements.	Check whether the value is 0, 1, 5, or 6.
400	CLOUDTEST.00018001	The tag name exceeds the maximum length.	The tag length exceeds the limit in the input parameter.	Check whether the label length exceeds 25 characters.
400	CLOUDTEST.00018002	The number of tags associated with the test case exceeds the upper limit.	The number of tags associated with the test case exceeds the upper limit.	Check whether the number of tags associated with the case exceeds 30.
400	CLOUDTEST.00018004	The number of labels exceeds the maximum.	The number of tags added to the project exceeds the maximum.	Check whether the number of tags under the project exceeds 10000.
400	CLOUDTEST.00018005	The tag name exceeds the maximum length of 25 characters.	In the input parameter, the value of the tag name is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030001	Failed to verify the test case ID list.	The case ID list for batch operation does not meet the specifications.	Check whether the number of test cases in batches exceeds 50 and whether the ID of a single test case contains 32 characters.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00030002	Failed to verify the third-party service name.	The entered service name does not comply with the specifications.	Check whether the entered service name contains more than 16 characters.
400	CLOUDTEST.00030004	Failed to verify the provisioning area.	The region value is incorrectly transferred in the input parameter.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030007	The introduction is not standard.	In the input parameter, the introduction value is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030037	The third-party service registration parameter is incorrectly parsed.	Non-compliance occurred when parsing registration parameters.	Check whether the input parameters comply with the requirements.
400	CLOUDTEST.00030038	Parameter parsing error in the test case for deleting a third-party service	The input parameter does not meet the specifications.	Check whether the input parameters comply with the requirements.
400	CLOUDTEST.00030040	Third-party service deletion frequency is not standard.	In the input parameter, the frequency is deleted. The transferred value is incorrect.	Contact customer service personnel for troubleshooting.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00030041	The third-party service deletion rule is not standard.	The input parameter is transferred, and the value of the deletion rule is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030043	Failed to verify the third-party service domain name.	The entered domain name does not meet the requirements.	Check whether the entered domain name starts with https/http or contains more than 128 characters.
400	CLOUDTEST.00030044	Incorrect interconnection mode.	In the input parameter, the value transferred in the interconnection mode is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030045	Incorrect service type	The value of the service type is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00030047	Failed to verify the tenant information of the integration service.	The tenant transfer value is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00040008	The end time cannot be empty.	The end time is empty in the input parameter.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00040011	The expected result length exceeds the maximum length of 500 characters.	The expected result is incorrectly transferred in the input parameter.	Contact customer service personnel for troubleshooting.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00040012	Invalid module information.	The value transferred by the module is incorrect.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00040014	Failed to verify the case name.	The length of the test case name does not meet the requirement.	Check whether the test case name contains 3 to 128 characters.
400	CLOUDTEST.00060001	Invalid paging parameter. Only positive integers are allowed.	In the input parameter, the paging parameter is invalid. Only positive integers are allowed.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00060002	The keyword length exceeds the limit.	The length of the keyword in the input parameter exceeds the upper limit.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00060005	Failed to verify the start time of the test case.	The start time does not meet requirements.	Check whether the transferred parameter is a timestamp.
400	CLOUDTEST.00060006	Failed to verify the end time of the test case.	The end time does not meet requirements.	Check whether the transferred parameter is a timestamp.
400	CLOUDTEST.00060010	Failed to verify the plan start time.	The format of the plan start time is incorrect.	Check whether the time format is XXXX-XX-XX.
400	CLOUDTEST.00060011	Failed to verify the plan end time.	The format of the planned end time is incorrect.	Check whether the time format is XXXX-XX-XX.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.00060012	Invalid start offset or number of entries displayed on each page.	In the input parameter, the start offset or the number of entries displayed on each page is invalid.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00070002	Invalid phase parameters in the test plan.	In the input parameters, the case-related information is not found in the transferred test plan.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00070003	Invalid test plan information.	The transferred value of the phase information of the test plan does not comply with the specifications.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.00070010	Failed to verify the test plan name.	The length of the test plan name does not meet requirements.	Check whether the test plan name contains more than 128 characters or contains special characters such as # % & ().
400	CLOUDTEST.00088006	The execution result is not defined.	The execution result is empty when the input parameter is transferred.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.43040024	Invalid parameter.	Invalid parameter.	Check whether the entered parameter is invalid.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.43040025	The system is busy.	The system is busy due to an internal exception.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.43040030	The project does not exist.	The project does not exist.	Check whether the item exists.
400	CLOUDTEST.43040091	Failed to initialize git.	Failed to invoke the third-party service.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.43040099	Remote service invoking failed.	Failed to invoke the third-party service.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.43400102	The file type is incorrect. Please import a .yaml or .json file that meets the requirements.	Incorrect file type	Check whether the file type is in YAML or JSON format.
400	CLOUDTEST.43400103	The file is too large.	The file size is greater than 1 MB.	Check whether the file size is greater than 1 MB.
400	CLOUDTEST.43400128	Failed to obtain the deployment private key.	Failed to invoke the third-party service to obtain the deployment private key.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.43400138	The account is in arrears and frozen state. Please renew the fee for the interface test.	Account exception	Check whether the account is in arrears.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.43400139	The 30-minute free quota for the interface test is used up. Please enable the interface test.	Account exception	Check whether the account has enabled the interface test.
400	CLOUDTEST.43400161	The request body structure is incorrect.	The request body structure is incorrect.	Check whether the request body structure is correct.
400	CLOUDTEST.43400171	Incorrect request parameters.	Request parameters do not meet specifications.	Check whether the request parameters comply with specifications.
400	CLOUDTEST.43400207	The system cannot find the specified path.	The system cannot find the specified path.	Check whether the specified path is correct.
400	CLOUDTEST.43400210	Insufficient user permissions	Insufficient user permissions	Check the permissions of the user in the current project.
400	CLOUDTEST.43400218	The system is busy.	The system is busy due to an internal exception.	Contact customer service personnel for troubleshooting.
400	CLOUDTEST.43400225	The import script template file does not comply with Swagger specifications.	The import script template file does not comply with Swagger specifications.	Check whether the imported script template file complies with Swagger specifications.
400	CLOUDTEST.43400248	The test suite name contains at least 3 to 128 characters.	The length of the test suite name does not meet the specifications.	Check whether the length of the test suite name ranges from 3 to 128 characters.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.43400253	The parameter does not comply with the specifications.	The request entered contains parameters that do not meet the requirements.	Check whether the parameters in the interface request comply with the specifications.
400	CLOUDTEST.43400323	Failed to automatically generate a test suite by importing the YAML script.	Failed to automatically generate a test suite by importing the YAML script.	Check whether the interface is defined in the YAML file. If the interface is defined correctly, contact the customer service personnel.
400	CLOUDTEST.43400324	The number of imported YAML files exceeds the maximum value 500.	The number of imported YAML files exceeds the maximum value 500.	Check whether the number of interfaces in the imported YAML file exceeds 500.
400	CLOUDTEST.43400333	Failed to verify the project UUID.	The project ID does not meet the specifications.	Check whether the item ID contains 32 characters.
400	CLOUDTEST.43400334	Failed to verify the warehouse ID.	The warehouse ID does not meet the specifications.	Check whether the warehouse ID contains 32 characters.
400	CLOUDTEST.43400335	The file path must contain at least 6 to 128 characters.	The file path length does not meet the specifications.	Check whether the file path contains 6 to 128 characters.
400	CLOUDTEST.43400336	The warehouse branch must contain at least 3 to 100 characters.	The warehouse branch length does not meet the specifications.	Check that the warehouse branch length is between 3 and 100 characters.

Status Code	Error Codes	Error Message	Description	Solution
400	CLOUDTEST.43400337	Failed to verify the start offset of pagination.	The start offset of the pagination does not comply with the specification.	Check whether the start offset value of the paging is a pure number between 0 and 999.
400	CLOUDTEST.43400338	Failed to verify the number of items displayed on each page.	The number of items displayed on each page does not meet the specifications.	Check whether the number of items displayed on each page is a pure number between 1 and 200.
401	CLOUDTEST.00013013	The current user does not have the permission to delete this type of test case.	The current user does not have the permission to delete this type of test case.	Check whether the current user has the permission to change the type of the test case.
401	CLOUDTEST.00030003	The current user has insufficient permissions.	The current user has insufficient permissions.	Check whether the current account is an account administrator.
401	CLOUDTEST.00050001	The token is invalid. Replace the token and try again.	The token expires.	Check whether the latest token is used for invoking the interface.
500	CLOUDTEST.00013001	The current user does not have the permission to operate the test type.	The current user does not have the permission to change the test type.	Select a test type with permission and add it to the plan.

Status Code	Error Codes	Error Message	Description	Solution
500	CLOUDTEST.00013002	The plan contains test service types that do not have permission to perform operations.	The plan contains test service types for which the current user has no permission to perform operations.	Check whether all service types in the request have permission operations.
500	CLOUDTEST.00017022	Case execution exception.	Case execution exception.	Check whether the case execution information in the request body is compliant.
500	CLOUDTEST.00017023	Abnormal update of test case results	Case status update exception.	Check whether the update information in the case result in the request body is compliant.
500	CLOUDTEST.00017024	Repeat the test case.	Repeated execution of all cases in the request information.	Check whether the request body contains repeated test cases.
500	CLOUDTEST.00017025	Repeated update results of test cases	Repeated update results of all cases in the request information	Check whether the request body contains repeated update results.
500	CLOUDTEST.00017026	Repeated execution of some test cases	Repeated cases exist in the request information.	Check whether the request body contains repeated test cases.
500	CLOUDTEST.00017027	Repeated update results of some test cases	The request contains the repeated update result.	Check whether the request body contains repeated update results.
500	CLOUDTEST.00017028	This case cannot be repeated.	Repeated execution of a case in the request information	Check whether the test case in the prompt information is repeatedly executed.

Status Code	Error Codes	Error Message	Description	Solution
500	CLOUDTEST.00017029	The test case result cannot be updated repeatedly.	Repeated update results for a case in the request information	Check whether the test case in the prompt information is repeatedly updated.
500	CLOUDTEST.00030022	The current user does not have the permission to perform this operation.	The current user does not have the permission to perform this operation.	Check whether the operation is performed by the primary account.
500	CLOUDTEST.00030028	Duplicate service name.	The registered service name already exists.	The current service name already exists and cannot be registered again.
500	CLOUDTEST.00030046	The service type has been deleted and cannot be updated.	The registration service has been deleted.	The current service has been deleted and cannot be deleted repeatedly.
500	CLOUDTEST.00040003	The start time cannot be later than the end time.	The start time is greater than the end time.	Change start or end time
500	CLOUDTEST.00050000	The system is busy.	The system is busy due to an internal exception.	Whether the retry check function is available
500	CLOUDTEST.00070008	The selected person is a participant or a viewer and cannot be set as a handler.	The processor does not meet the requirements.	Change the handler to another role.
500	CLOUDTEST.00070009	The test plan name already exists.	Duplicate test plan name.	Modify Plan Name

6.3 Obtaining a Project ID

Obtaining a Project ID by Calling an API

A project ID can also be obtained by calling a specific API. For details, see [Querying Project Information](#).

The API for obtaining a project ID is **GET https://{Endpoint}/v3/projects/**. **{Endpoint}** indicates the endpoint of IAM, which can be obtained from [1.3 Endpoints](#). For details about API authentication, see [3.2 Authentication](#).

In the following example, **id** indicates a project ID.

```
{
  "projects": [
    {
      "domain_id": "65382450e8f64ac0870cd180d14e684b",
      "is_domain": false,
      "parent_id": "65382450e8f64ac0870cd180d14e684b",

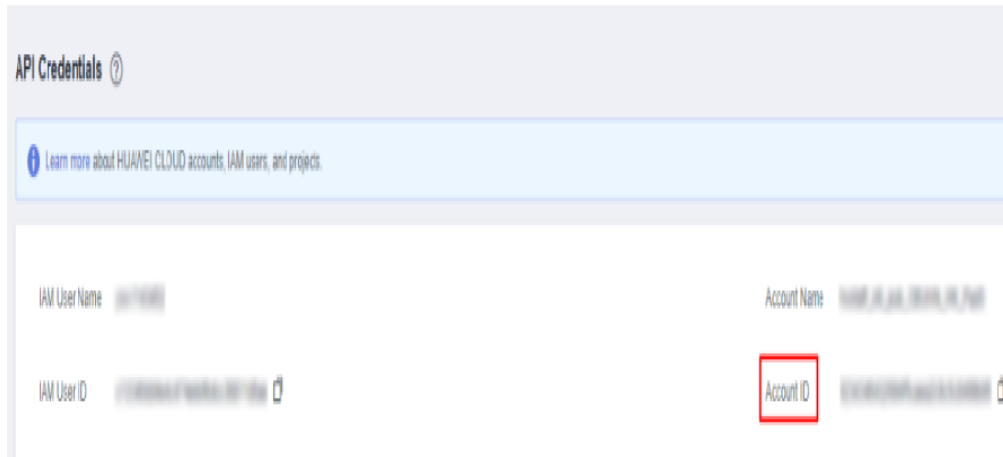
      "name": "ap-southeast-3",
      "description": "",
      "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
      },
      "id": "a4a5d4098fb4474fa22cd05f897d6b99",
      "enabled": true
    }
  ],
  "links": {
    "next": null,
    "previous": null,
    "self": "https://www.example.com/v3/projects"
  }
}
```

Obtaining a Project ID from the Console

A project ID is required for some URLs when an API is called. To obtain a project ID, perform the following operations:

- Step 1** Log in to the management console.
- Step 2** Hover the mouse pointer over the username in the upper right corner and choose **My Credentials** from the drop-down list.
Choose **My Credentials** > **API Credentials** to view the project ID in the project list.

Figure 6-1 Viewing project IDs



----End

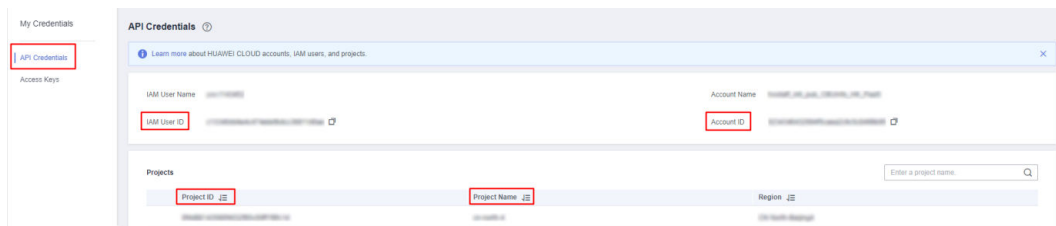
6.4 Obtaining an Account ID

An account ID is required for some URLs when an API is called. To obtain an account ID, perform the following operations:

- Step 1** Log in to the management console.
- Step 2** Hover the mouse pointer over the username in the upper right corner and choose **My Credentials** from the drop-down list.

Choose **My Credentials** > **API Credentials** to view the account ID.

Figure 6-2 Obtaining an Account ID



----End

7 Change History

Changes between document issues are cumulative. The latest document issue contains all the changes made in earlier issues.

Change History	Date
This issue is the first official release.	2022-09-30